

STATE OF THE ART

The **'State of the Art'** project is a comprehensive literature review of research on **small-scale fisheries** taken place around the world. It is developed as part of an online **Information System on Small-Scale Fisheries** (ISSF; issf.toobigtoignore.net), which aims at enhancing knowledge and importance of small-scale fisheries worldwide.

Data sources:

- 156 peer-reviewed papers, book chapters, theses, newsletters and conference proceedings.
- Publication year ranging from 1973 to 2014.

TECHNICAL ASPECTS

RESEARCH SETTING

The majority of publications in this region focused on research problems at a **sub-national** scale.

Communication and planning at a local level however, is increasingly being documented as a fundamental step toward effective fisheries management.

MARKET CHAIN

Number of publications:



- The increasing wealth of East and South Asia continues to create a **stronger demand** for the marine resources of the South Pacific.
- The capture and sale of **ornamental species** for the aquarium trade is unique to this regions small-scale fisheries.

RESEARCH EMPHASIS TO DATE

Target Species: Tuna, prawn, groupers, crab

Gear Types: Hook and lines, entangling nets

Countries: India, Philippines, Thailand

Ecosystems: Coral reef, lake

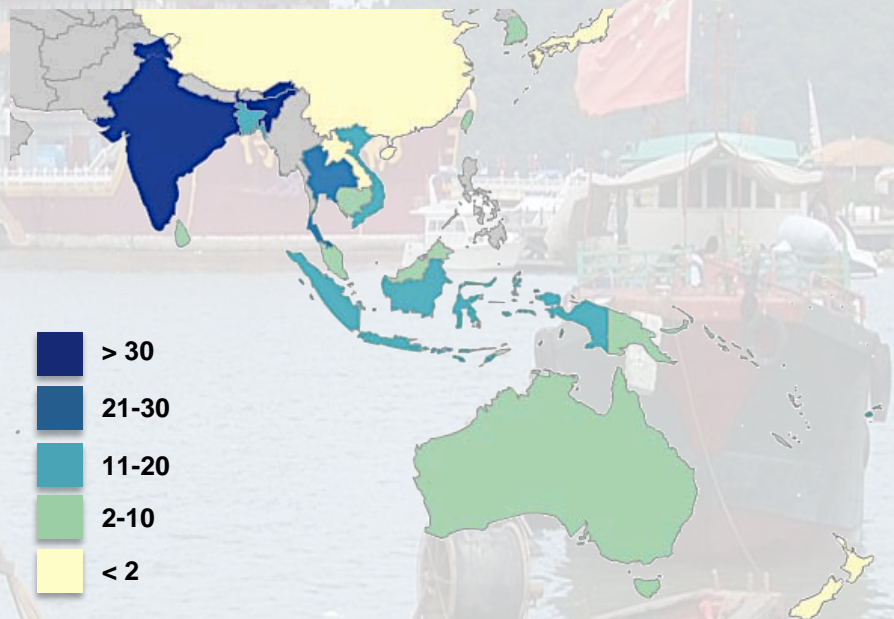


HOW ARE SMALL-SCALE FISHERIES REFERRED TO IN THIS REGION?

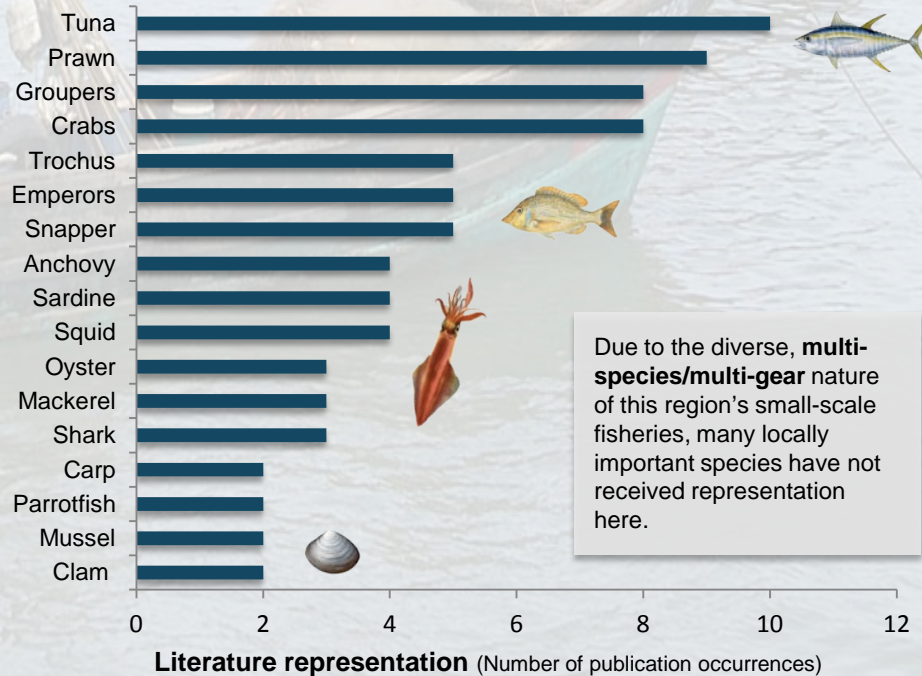
67 publications use **small-scale**, 36 use **artisanal**, 34 use **subsistence**

COUNTRY COVERAGE

(Number Of publications per country)

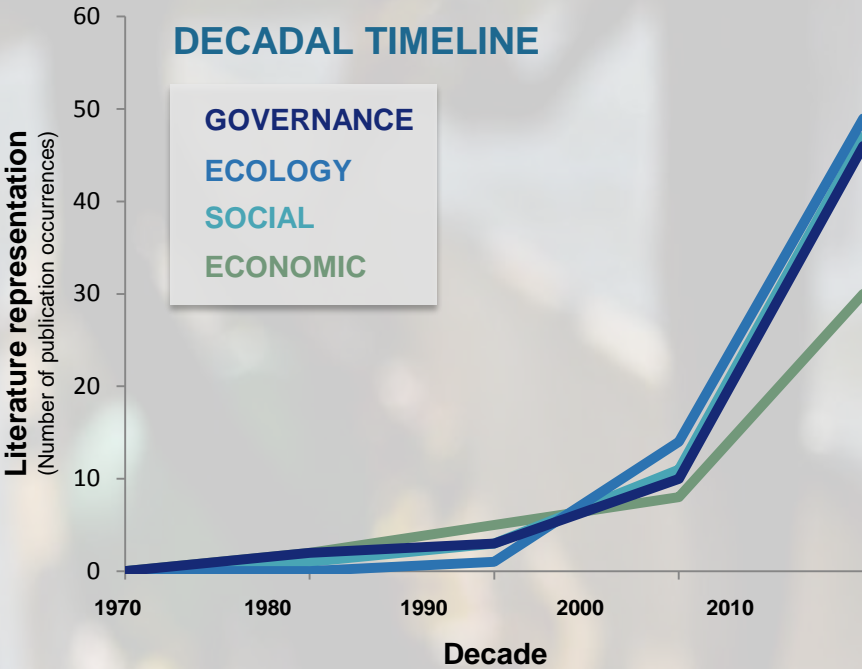


SPECIES COMPOSITION



Due to the diverse, **multi-species/multi-gear** nature of this region's small-scale fisheries, many locally important species have not received representation here.

DECADAL TIMELINE



TOP 5 RESEARCH THEMES

Sustainable/best practices

Poverty and vulnerability

Livelihood dependence on fisheries

Fisheries impacts on the ecosystem

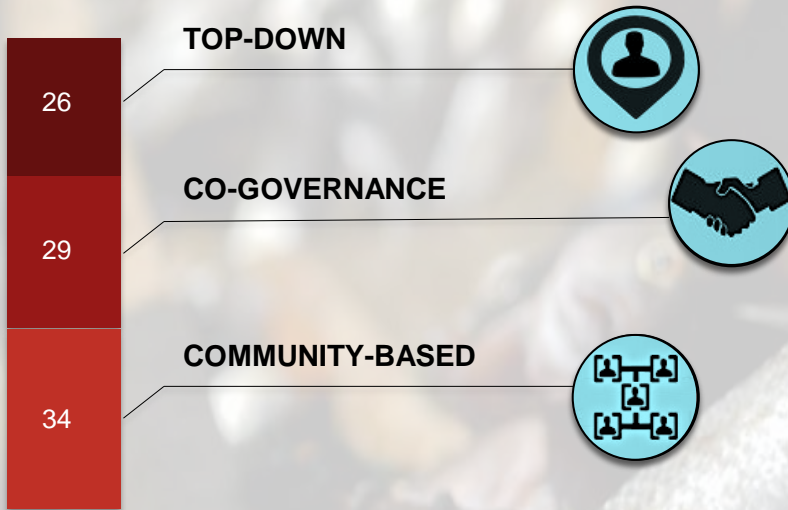
Community-based management systems

RESEARCH HIGHLIGHTS

- **Ecological, governance, and social** themes have increased at a similar rate since the early 2000s.
- **Governance** themes have emphasized the emerging role of **community-based management systems**, often in response to poor **compliance and enforcement**.
- **Social** themes have explored **poverty and vulnerability** among small-scale fishers as well as livelihood dependence and potential alternatives.
- **Economic** themes have been largely limited to financial analyses of struggling small-scale fisheries fleets.

GOVERNANCE

Literature representation (Number of publication occurrences)



Participatory forms of governance such as co-operative and community-based governance, are well represented.

MANAGEMENT INSTRUMENTS

This region has not made the transition from classic to rights-based management approaches seen elsewhere.

Rights-based:	Transferrable quota systems	2
	Territorial user-rights fisheries	0
Classic:	Gear and vessel restrictions	11
	Marine protected areas	11
	Closures	7
	Access control through permits	6

(Number = Publication occurrences)

GEOGRAPHIC EMPHASIS

East Asia: Diversifying fisheries into tourism as an alternate livelihood.

South Asia: Community involvement in fisheries management and resilience in the wake of natural disasters.

Oceania: Evolution of the artisanal fisher.

RESEARCH GAPS

Countries: Middle-East, East Asia

Ecosystem: Open ocean

Fishery Type: Recreational, aquaculture

Thematic: Market chain

Life and/or job satisfaction

Pollution

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